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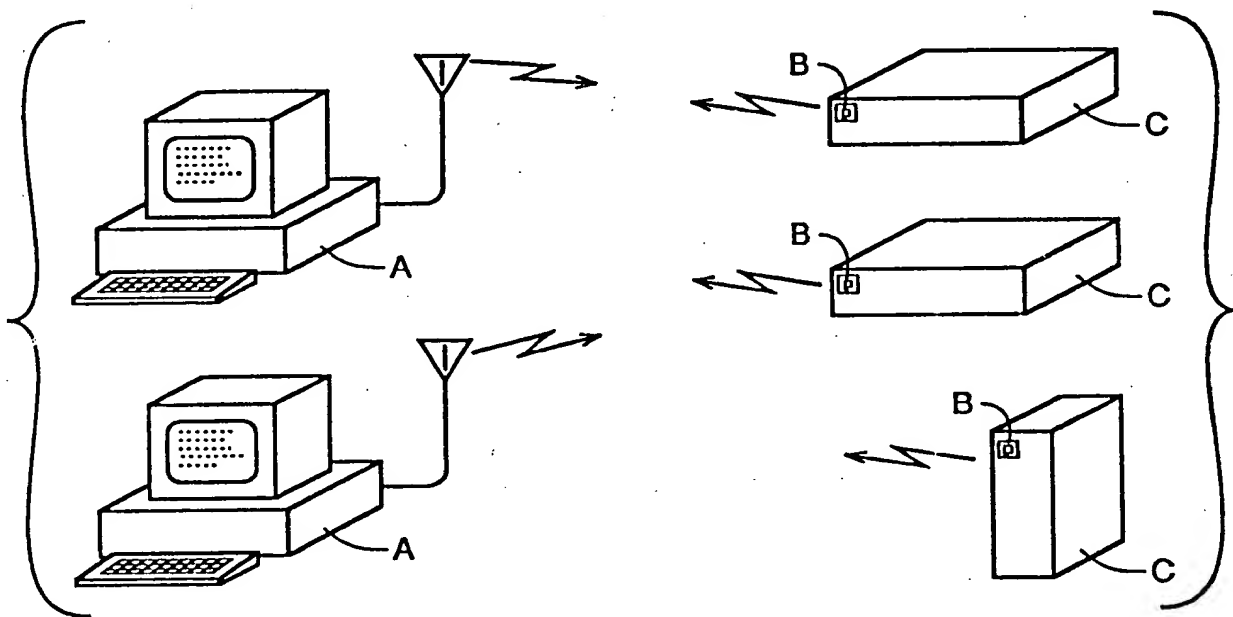


FIG. 1

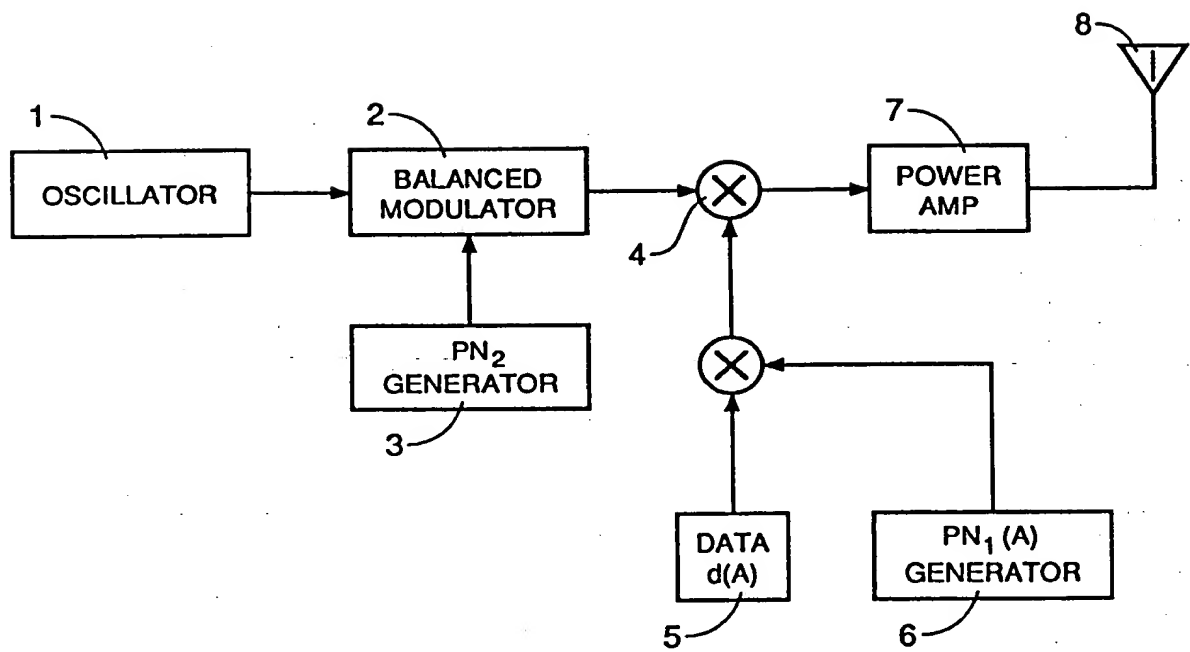


FIG. 2

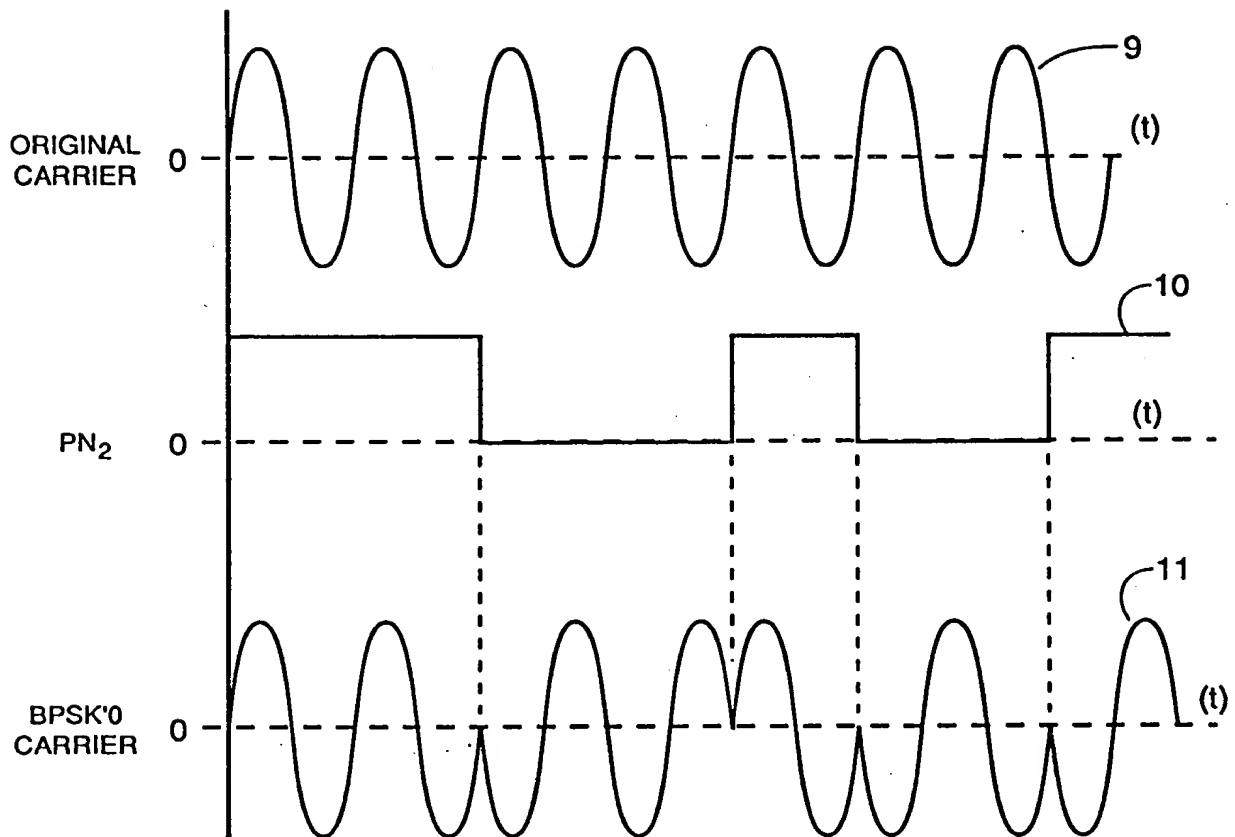


FIG. 3

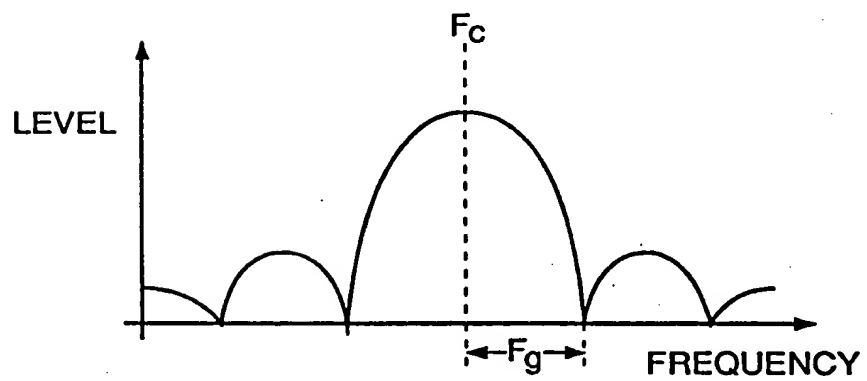
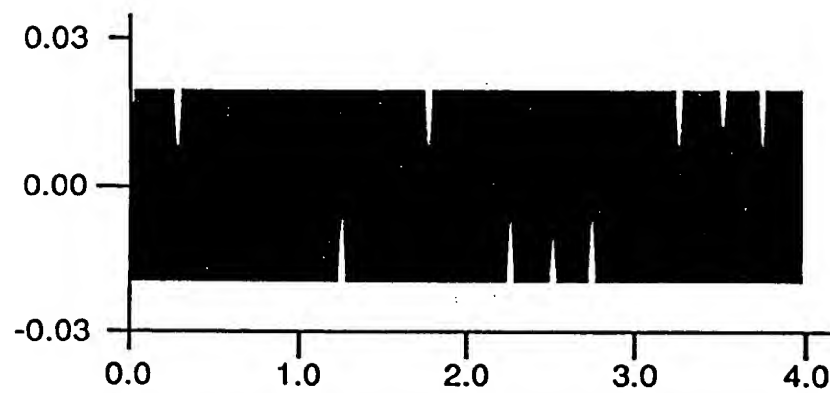


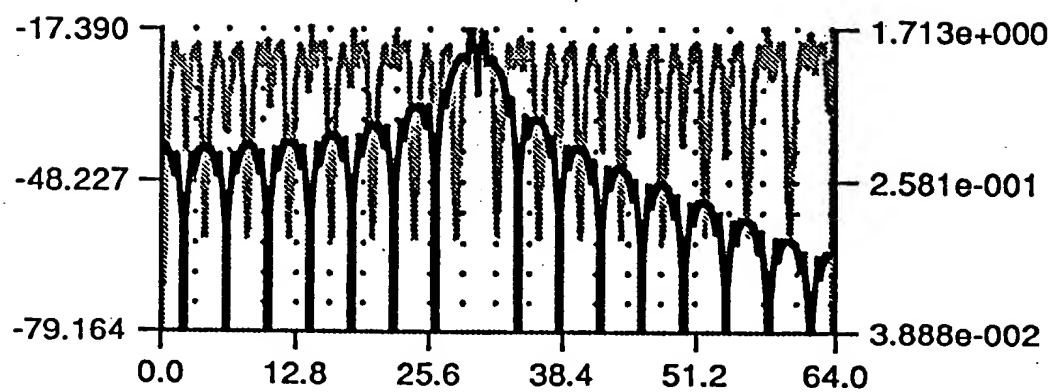
FIG. 4



BIPHASE CARRIER MODULATION

$$\cos\left[\omega_0 t + \frac{\pi}{2} \text{PN}_2(t)\right]$$

FIG. 5A



BIPHASE CARRIER MODULATION SPECTRUM

FIG. 5B

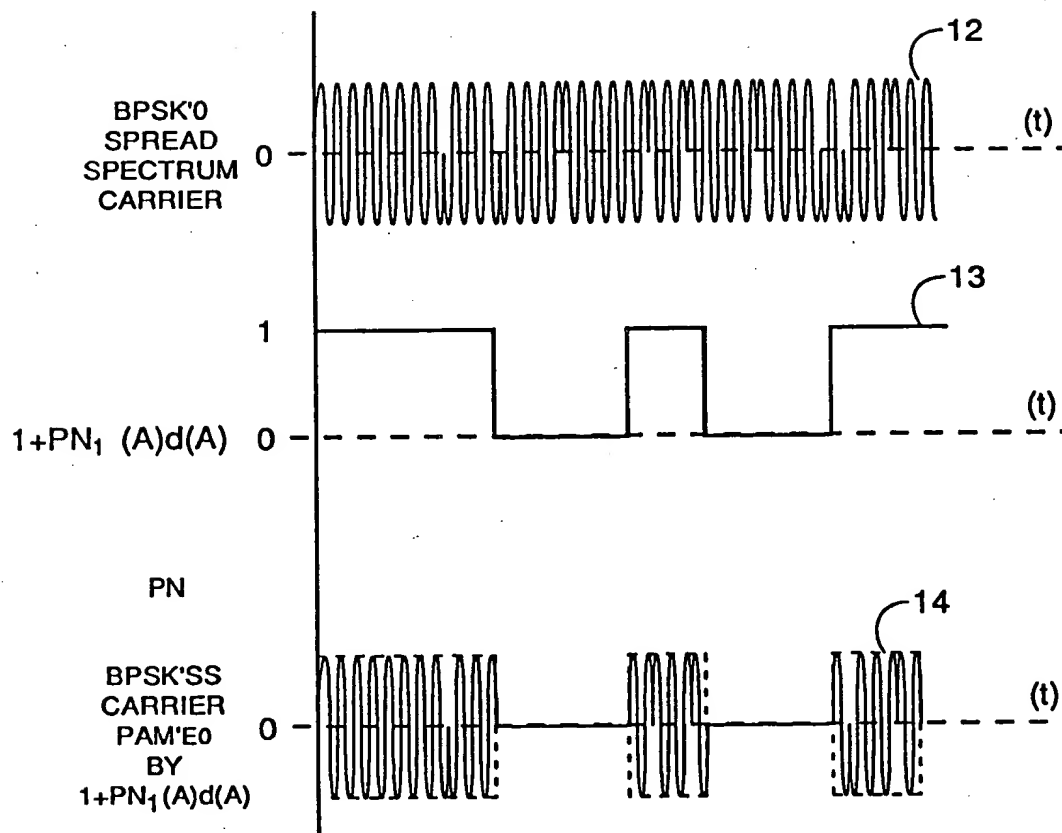
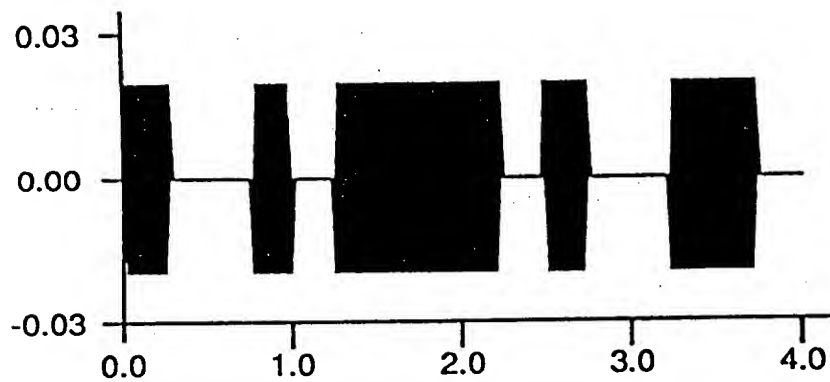


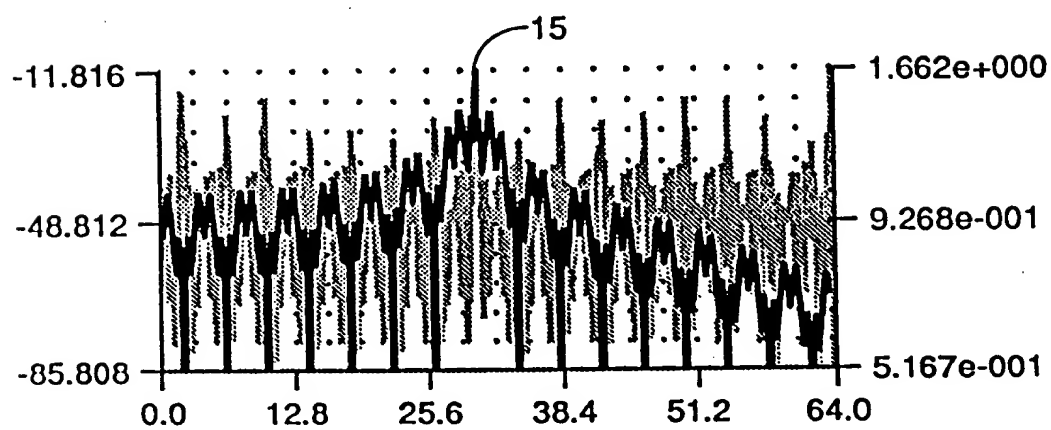
FIG. 6



AMPLITUDE ON-OFF CARRIER MODULATION

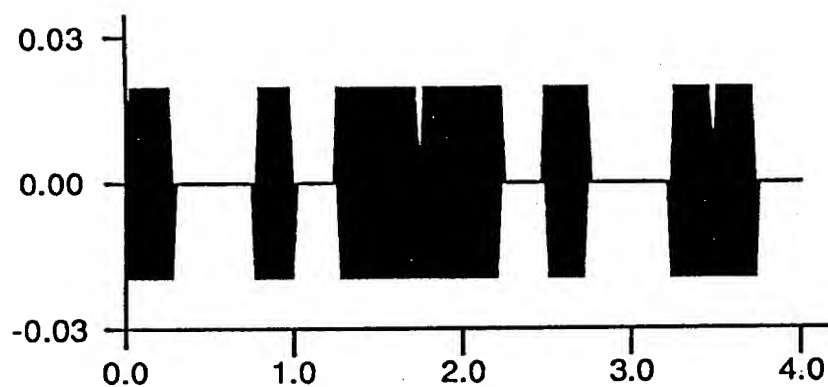
$$[1 + PN_1(t)] \cos[\omega_0 t]$$

FIG. 7A



AMPLITUDE ON-OFF CARRIER MODULATION SPECTRUM

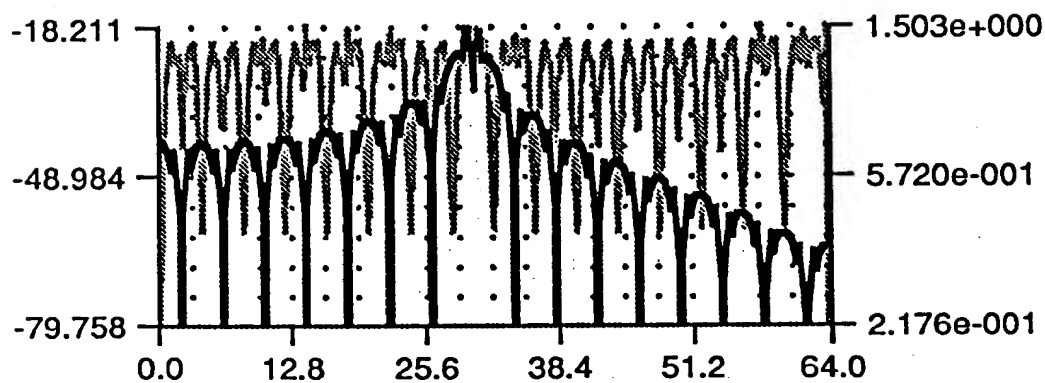
FIG. 7B



AMPLITUDE ON-OFF PLUS
BIPHASE CARRIER MODULATION

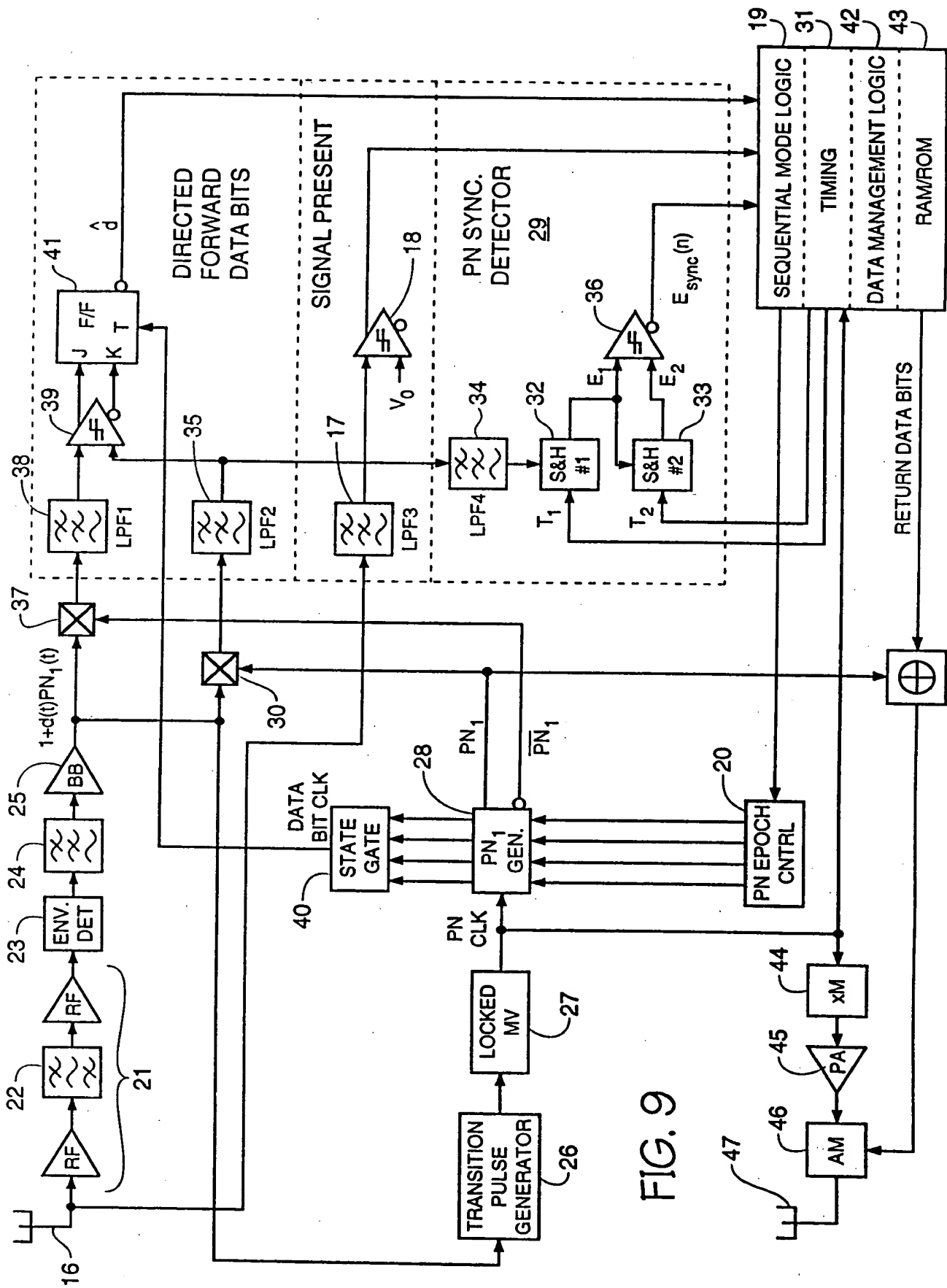
$$[1 + PN_1(t)] \cos[\omega_0 t + \pi/2 PN_2(t)]$$

FIG. 8A



AMPLITUDE ON-OFF PLUS BIPHASE
CARRIER MODULATION SPECTRUM

FIG. 8B



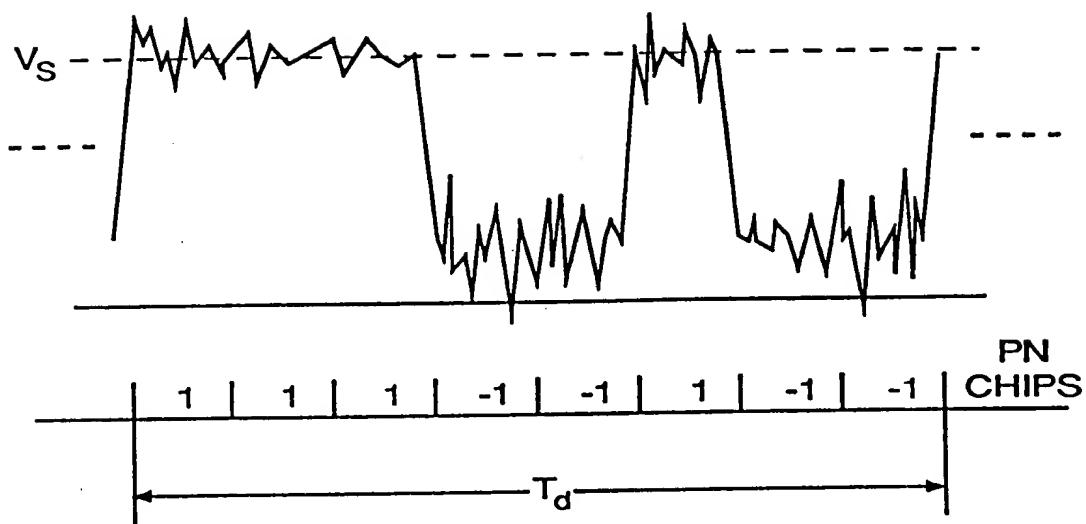


FIG. 10



FIG. 11

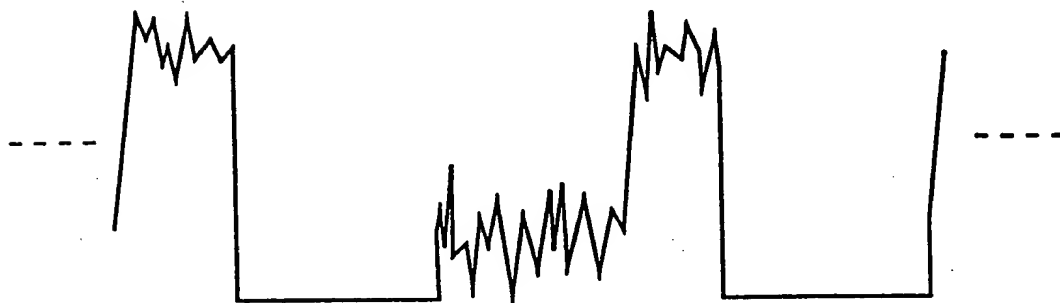


FIG. 12

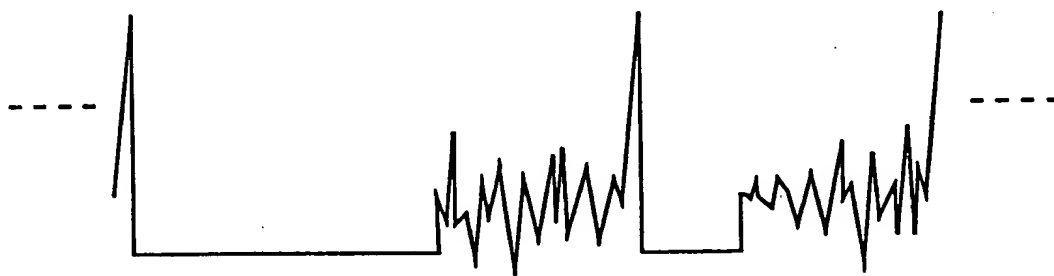


FIG. 13



FIG. 14



FIG. 15



FIG. 16